

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/564,077  
Source: IFWP  
Date Processed by STIC: 1/23/06

# ***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/564,077

CRF Edit Date: 1/25/06  
Edited by: h

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

\_\_\_ Deleted: 1 invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



IF

## RAW SEQUENCE LISTING

DATE: 01/25/2006

PATENT APPLICATION: US/10/564,077

TIME: 11:02:35

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01252006\J564077.raw

```

3 <110> APPLICANT: Collier, Greg R
4     Walder, Ken R
5     Segal, D. H
7 <120> TITLE OF INVENTION: DIFFERENTIAL EXPRESSION OF NUCLEIC ACID MOLECULES
9 <130> FILE REFERENCE: E1679-00014
-> 11 <140> CURRENT APPLICATION NUMBER: US/10/564,077
-> 11 <141> CURRENT FILING DATE: 2006-01-09
11 <150> PRIOR APPLICATION NUMBER: PCT/US2004/000919
12 <151> PRIOR FILING DATE: 2004-07-08
14 <150> PRIOR APPLICATION NUMBER: US 60/485,790
15 <151> PRIOR FILING DATE: 2003-07-08
18 <160> NUMBER OF SEQ ID NOS: 51
21 <170> SOFTWARE: PatentIn version 3.1 and MS Word
24 <210> SEQ ID NO: 1
26 <211> LENGTH: 449
28 <212> TYPE: DNA
30 <213> ORGANISM: Psammomys Obesus
34 <220> FEATURE:
36 <221> NAME/KEY: misc_feature
38 <222> LOCATION: (1)..(425)
40 <223> OTHER INFORMATION: "n" is unknown nucleotide
44 <400> SEQUENCE: 1
45 tgagaattaa gattattgta tgattgaaac atgaaacagc tcatgtctct gttagtaaca      60
47 tcaaaggcag tcacgtttac actgcagtta gaactccttag ggcacgttgc ttttcatcag      120
49 gcttccccctg cttttgatatt gtggctgttg ctgatttttc gtatgtggac atacacctac      180
51 ctctttctggt ggaaagaaca tttaaaatga aacaaatatt acttaaaaaa aaatcaagga      240
53 gtcctttaat gtaaatttta actttcaaat tactttcttt atcttacttt attacaaata      300
-> 55 gcaccacta gcattttctgt gatgtaccca cctctttcna tgtgctatatt gactgatgct      360
-> 57 tgctccctgg gatgacgttg caaaaaatcg actagtagaa atgaagtgna aatgcatttt      420
-> 59 ggtgnatacc ttgactcctt ggtgctaatt      449
62 <210> SEQ ID NO: 2
64 <211> LENGTH: 1702
66 <212> TYPE: DNA
68 <213> ORGANISM: Psammomys Obesus
72 <220> FEATURE:
74 <221> NAME/KEY: misc_feature
76 <222> LOCATION: (1)..(1518)
78 <223> OTHER INFORMATION: "n" is unknown nucleotide
82 <400> SEQUENCE: 2
83 cccacgcgtc cggatgaagaa ttagtctgcc ttggcattta taaatgattc acaaccagtt      60
85 tccagttgga ccccaaaaaa ctatttaatt atcaatgaga taatatgttt cttttctgaa      120
87 taatacataa aagaaatcag aggctgggaa aaaaagttat ggataagaag ttccagtcca      180
89 ataaaattat atttatctgt aggagtcatt ttctctagat ttctgtttct aacatcctgg      240

```

## RAW SEQUENCE LISTING

DATE: 01/25/2006

PATENT APPLICATION: US/10/564,077

TIME: 11:02:35

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01252006\J564077.raw

```

91 aaaaaaaatt gagtttctgg taaatagtc agaaattatt tagctaattt aatttcttta 300
93 catttgaaga ctttagattt attttcagta tttagttaat ataaaaattaa aggaaaaatca 360
95 acttaaactt agatcaacat ttaataaac tttatTTTTt tgtgtacata ataaatttat 420
97 ccagaagtta aatgcatgga aacatgattt tataaaacaa aactaaccat gcttccccctc 480
99 cattgccata tctgctcttg taggatgcta ttttctgtat gttaaaatcg ggtgaatgag 540
101 atagcatttg tggaaatgagg gtgtgcagtg ctttatgtac aggtagttag agtaaggtagc 600
103 cttgttcttc actcgaatat atgaacatgc cagttaaacc tctttaaatt ttttctttt 660
105 actattcacc tccttaactg aatcacacca gcttgcttag aatctcatgg aagcaatgct 720
-> 107 caggcaattt cacttttttg ttgntgntat tgncttcttt tgaaaagcta atcatggcac 780
-> 109 atgtaaggga cnggcgcgtt cactgcccag gccattgcat ggaatcactg cagtcttgtc 840
111 ctgcacatgg gatctacact ggctatctat agtaactagt gtaattgaag gcagacaagc 900
113 ttgacgcaga taagcttttg gcagctgaat aatctacagg gttagttttg aggatcaaata 960
115 actggctgat aattatgata ttgccacatg gtttgagtct atgtaagctt gaataagtgc 1020
117 atcttgtagc atctatggga agtgtggggg gaattaaagt gttagtgaag agaataatcta 1080
119 ccaagtggct ttttgtaaga taggaaacaa tagagtccaa agggaaacttt taagagattg 1140
121 aaaaggggga ataataatttc agcataaaat cctaaatttg aataaaaagaa agaagaggag 1200
-> 123 attggngctg ttgctgggtg gtgcagattt tctgggttct tccttttaat gttccactgt 1260
125 ttttctgtc agtattgtag atgtgtgatg acttgctgt caaatttatc aactgttgag 1320
127 aaagtaatag tgtaaactct tgtgccaacg aaacctctgc cagtgttggt tctctttacc 1380
-> 129 tcattcttgt atttggctct gtcaagattg tagcttgtct gacagaagcc acagcgnagn 1440
-> 131 ctgatgaaac ttgccaggnc agttttttga gcagctccca aagccggagg cccagcttct 1500
-> 133 cagccttgga cagcttcngc ctacccgtaa acctcagtgg catactctct aacagtgtgt 1560
135 gtagactggg atgctgttca catgtggcct tggatcattt ctaatgtgac ggaattttat 1620
137 ttgtctcttg acagcttttg agaaatgcaa tttttatagt aaagacattg ttcatttgga 1680
139 agtcaatacg ttataaaatt gg 1702
142 <210> SEQ ID NO: 3
144 <211> LENGTH: 429
146 <212> TYPE: DNA
148 <213> ORGANISM: Psammomys Obesus
152 <220> FEATURE:
154 <221> NAME/KEY: misc_feature
156 <222> LOCATION: (1)..(429)
158 <223> OTHER INFORMATION: "n" is unknown nucleotide
162 <400> SEQUENCE: 3
163 agcgtggctg cggccgaggt acataaaatg gctaacttat agagatcaaa ggttatTTTt 60
165 gtttgttgtt tcaactgttt aactgttgct ttacagtctg tggcaaagca gtgcatgggt 120
167 tagaatgtgg cagaacaaag cagttctcac aaccactgga tgcaaagaga agggaagaaa 180
169 aaaaaagaga atagggttga atatcccat caagggcatg cctccatgta tgggttcctc 240
-> 171 tnattagcca cctccctcc cgcgccaaag taaatcctaa tagcaccagg gtctgggggtc 300
173 aatcctttac catacagcca tttgtgagaa acttgtaaag ataacatata tcacactgcc 360
175 tgtgtatgct gaaataaatt cataaattaa taacatttca aaaaaaacct gcccgggcgg 420
177 ccgctcgaa 429
180 <210> SEQ ID NO: 4
182 <211> LENGTH: 332
184 <212> TYPE: DNA
186 <213> ORGANISM: Psammomys Obesus
190 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
194 <222> LOCATION: (1)..(332)

```

## RAW SEQUENCE LISTING

DATE: 01/25/2006

PATENT APPLICATION: US/10/564,077

TIME: 11:02:35

Input Set : A:\PTO.AMC.txt

Output Set : N:\CRF4\01252006\J564077.raw

196 &lt;223&gt; OTHER INFORMATION: "n" is unknown nucleotide

200 &lt;400&gt; SEQUENCE: 4

```

-> 201 tagegtgggc gggccgagg tactgacntt ccattctgct tcacatgaaa tcaacggaag      60
-> 203 ctctttattc aagctttggg ctctcagaca cngaaatgag accgtgacca tggcagtnng      120
-> 205 acaggaaaat tcttgtttga cctgaatga gagcacanag gcatgaatgt ggaggtgcca      180
207 gcttgacctaa tgaatgaggg aacagccctt tatgtagggt agccgctttc cttcccctgg      240
209 gctgccgtgc tttcttccca aagtcaccca tttctgataa tgatgtgaat tgtctgttag      300
211 ctatcaagta cctgcccggg cgcccgctcg aa                                     332

```

214 &lt;210&gt; SEQ ID NO: 5

216 &lt;211&gt; LENGTH: 156

218 &lt;212&gt; TYPE: DNA

220 &lt;213&gt; ORGANISM: Psammomys Obesus

224 &lt;400&gt; SEQUENCE: 5

```

225 agcgtggctg cgcccgaggc cagctttata cagaaaacaa ggcttagcct ctggacaaca      60
227 gagaagcgct cagtcccaaa gccacaggaa ggccttttac ctgctccagc cctcggccat      120
229 ggagtacctg cccgggcggc cgcctcgaaa gccgaa                                     156

```

232 &lt;210&gt; SEQ ID NO: 6

234 &lt;211&gt; LENGTH: 447

236 &lt;212&gt; TYPE: DNA

238 &lt;213&gt; ORGANISM: Psammomys Obesus

242 &lt;400&gt; SEQUENCE: 6

```

243 agactgcccg tgatccatga gcttaggatac aggcataaac tgtgttttat ctgaggtgga      60
245 ttctgatttc atctttgtca cagaagcaaa ttcttttggc aaagacactg ttttggcatg      120
247 tatttcacca gaccttctg ccttagtttc ttcttttggg tcagggagtg attgtttttc      180
249 actgcttttt gtccacaatg acttaatggc ttgataaatt tgttggcttg tatcatatgt      240
251 gtttctccca gttatctttg caattattac taactgagct gggtagcaaa cagctgctcc      300
253 taatgtggcc atccctagag gataagtaat cttctgaaac ctagaacctc ttcttgcctga      360
255 cagcaaacct gccagtcctg aagctgtgat cactcctatt ttgggcagaa aatcttgagg      420
257 agggttcttc agatagatat atgtatc                                     447

```

260 &lt;210&gt; SEQ ID NO: 7

262 &lt;211&gt; LENGTH: 389

264 &lt;212&gt; TYPE: DNA

266 &lt;213&gt; ORGANISM: Psammomys Obesus

270 &lt;400&gt; SEQUENCE: 7

```

271 ccggaattcc gggatatcgt cgacccacgc gtccgggtggc caggccggcc ttgttggggc      60
273 tgctgactcc aggtctattc tcagcaatgg gtcacagaga ctgaactgcc accatgattg      120
275 gaggttatt catctataat cacaaggggg aggtgctcat ctcccagatc tacagagatg      180
277 acatcgggag gaacgctgtg gatgccttcc gggcfaatgt gattcatgag cggcagcagg      240
279 tgcaagccc tgccacaac atcgctcgca ccagcttctt ccatgttaag cggccaaca      300
281 tctggctagc agcagtcacc aagcagaatg tcaacgccgc catggtcttc gaattcctct      360
283 ataagatgtg tgatgtaatg gctgcttac                                     389

```

286 &lt;210&gt; SEQ ID NO: 8

288 &lt;211&gt; LENGTH: 781

290 &lt;212&gt; TYPE: DNA

292 &lt;213&gt; ORGANISM: Psammomys Obesus

296 &lt;400&gt; SEQUENCE: 8

```

297 gtcacacac ctgtgggaaa taccttacac attactgttc gtgagtagct ctgagacatc      60
299 acagtggcct ggtctgcagt tgttgctcta aataattcgt ttagagtgtt tttctcgttt      120
301 atgtctgcgt aatgactaaa atagttagct caggcccagt ggcacagctg tactcccagc      180

```

## RAW SEQUENCE LISTING

DATE: 01/25/2006

PATENT APPLICATION: US/10/564,077

TIME: 11:02:35

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01252006\J564077.raw

```

303 tcttcagggg gctgtggccg gaggactgct agtttgaggc cagccctgca gtaaagtagt 240
305 taccaacagt gagactaaat aaaaaaagtt cagagcacia acgaatactt gaagcaaaag 300
307 agtctttcat tttctttctc tgactgaaaa aaacaagcac tttccggaag ccaagcactt 360
309 ttcattgtag caaggatgag ttattttacgt tttaggaaat tttatcatgg attagtctga 420
311 taattttaat tctggccagt ctgttttcat ctttttctag gttttacagt atttccatca 480
313 tacctatgta aaaggagaat tatatacttg tatcatattg gtgttgataa tgtatattca 540
315 gataataata ttttggttagt gtctttatta tctcaaaagg agttctaaaa gtaaatactg 600
317 gaagcatata ctttttagac attaattatt ttataatgaa acaactggca gtaagacatt 660
319 agtggttaat atagtctatt tgttccagtg actgtaaagc ttgtctcata gttctgtctg 720
321 ctcatagag aacgtattgt gaaattacct tctgtgcatg atatatctgt gcaattgcag 780
323 t 781
326 <210> SEQ ID NO: 9
328 <211> LENGTH: 1357
330 <212> TYPE: DNA
332 <213> ORGANISM: Psammomys Obesus
336 <400> SEQUENCE: 9
337 tttttttttt tttttgtag aaatgggaaa atttttcatc atctccagaa ctgtttatta 60
339 atgatgctaa taactttctt atagaccatt tagaccatac agttccagac cacaacttcc 120
341 tgtttccaga atttgaaatt gtaacagaaa cagaagatga gattttgcct gaggtgtg 180
343 aaatggaaga ttattctgac attgtaggaa gcatgggtaa ggagtccgtc catcaatctg 240
345 acagttcagg gaagacaggc accatcagta tgtgtctgtg gtgaggtaga gaatatcatg 300
347 gtagaagact gcagatcaaa acagttaact gctgaatata tgacaagggg cctttgta 360
349 ttagtctttt agttttactt ttagatacat gctagcttat tttctcgga gctcatgctt 420
351 tagggctgtg tctgtggtga ccaacacggg tgctgatcat aaatccagca ttcacctgc 480
353 cataggttgc ttatgcatgt gctcactcaa acactctttg catcgtgctt ccagtaaaga 540
355 aactgaagtt ctaggtatcc tgtgtttgaa caaagaactt aggttcagat ctgacactac 600
357 agtgtgaact ataactcagg ttgtaaaatc gtaatcagat tctcaagttt agtcgtttgt 660
359 ttgccacaag cattaaacaa cgcgtgtgag aattgtttcg tggtcagct catgcttgct 720
361 aacagaaata cacaacagga agaattgtac cacatagtca ggggtctgtt cgaaggagg 780
363 agtgcagaga gcgctcagct atgtaaagtg tcttgtgact ggtaaaagtt aaggagaaag 840
365 gctggagaga tggtcagaag tcacaagcac ttgctgttct tgtagacgac ccagggttg 900
367 tccctaaaac ctgcacggca atttgtaact ctagttccag gtgatccagc gccctcctct 960
369 ggcttgaag tacacataca tataaacaaa acattcaaaa acaaacaaag aaacaaacaa 1020
371 ataggaatac atacagcgta ggagctacct ggatagaact taaatgtgtc tattcatgtg 1080
373 tgtactgtaa aaaaaactga aaaaatcagt gagcatgttt tttctttcat tttgagagag 1140
375 gttctaataga aggccaagct ggctttgaac ttgtcctcct gcctccactt cctgaatata 1200
377 gatattacat cattttacat ctgtctgctg ttatcttaat gagtaaaactt atatataggt 1260
379 ctaggaaaaat agtacagag taaaaacaa tataggctg aacttttatt ggaagatgcc 1320
381 agcagctcat gactacattt atctacaaca aagattt 1357
384 <210> SEQ ID NO: 10
386 <211> LENGTH: 1314
388 <212> TYPE: DNA
390 <213> ORGANISM: Psammomys Obesus
394 <400> SEQUENCE: 10
395 ggctagaaaa ctacaagaga aaaattcaca tgaaaaacca aaatgaagaa aaggctgctg 60
397 agcagtttct gatgcgactg aaaaacaagc aagatgaaat gaggttgaa ggagacctga 120
399 gaagaagcca gcgtgcttgc cagcagcttg atgccagaa gaatattcag gttcccagag 180
401 aggtatggta ctggataagg cctgaagaag acactgaaga agaggaagtg gaggaggaac 240
403 aggatgaaga tgaatacacg agtgaagatt tgagtgtgct ggaaaaactg cagatcctca 300

```

## RAW SEQUENCE LISTING

DATE: 01/25/2006

PATENT APPLICATION: US/10/564,077

TIME: 11:02:35

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01252006\J564077.raw

```

405 caggctactt acgagaagaa catctgtatt gcatttggtg tgggacagcc tatgaagata 360
407 aagaagactt atcttccaat tgcccaggac caacctctgc tactacagtg ctcagttaga 420
409 atgaagccag aactggggta gctacagccg tctaactatg aggacatcag gaagcacttc 480
411 ctgagtggag gacgttctac agaaggatga ctagttcctc aagcaaagt tgagagaaca 540
413 gaaaacacag ggagtatgcc acagagtaaa agtcaaccaa atgaaacctt ggatcctcct 600
415 gtttataaac agctatatac aaaagacagt ttgagaata taaaattgaa tccagactaa 660
417 ttatatgata attataatttc tgtttgtctg agtagcagtg atgtgtgatt ttgttaatat 720
419 ttcaaaatac ttgtccatat aagtcaactt ttaagtattt gcagctgaaa cactacaatg 780
421 ctaagagtaa ctttaaaatt ttccagccaa agaaacaaaa aggaaggggt aggtgtcaca 840
423 gcaaaggtaa aatattctct gttaaagctg cacaatggca catacaatct cattattctt 900
425 gtatacgttt gaagacaaaa aaatatatgt aataattaat cttgaatgaa aatattttgt 960
427 cttaaaaaaa tgtaaatgtg ccagagaacc tcaagttatg gtgaacattc aagtggggat 1020
429 gcatgttgta agtctttgcc tattgagcct gcagatgtgt ttttaataga aatgatatat 1080
431 ttggtctgtg ataaaaattt cttaggtctg tttctattga ttcaactagt tgtttgtttg 1140
433 tttgtttgtt tgtttgtttg tttcaaaact gtacctgaaa ttagcaattg aggtcctgct 1200
435 ctgccccact gttactctga ttaagaagat acttgttatt tcctggtttt tggagacaga 1260
437 cgatatatcc tcagaagtaa ataaaagatg ctaagagata aaaaaaaaaa aaaa 1314

```

440 &lt;210&gt; SEQ ID NO: 11

442 &lt;211&gt; LENGTH: 319

444 &lt;212&gt; TYPE: DNA

446 &lt;213&gt; ORGANISM: Psammomys Obesus

450 &lt;400&gt; SEQUENCE: 11

```

451 caccgcccgc cgtcacgtcg gcggagggct gcggggcgcg tgcgattgag ctgctggagt 60
453 tctcaagatg aagttttcat tggcgatctc cttttttatt ttaatgtcct tgtggtttga 120
455 agaagcttgt tctaaagaaa agtcttccaa gaaagggag gggaaaaaga agcagtattt 180
457 gtgcccctct cagcagtcac cagaggacct ggcgcggtgt ccccccaact ccaccagtaa 240
459 tatcctgaac aggtctgtgg tcagttatga cccaggatc agaccaaatt tcaaaggat 300
461 tcctgtcgat gtagtagtc 319

```

464 &lt;210&gt; SEQ ID NO: 12

466 &lt;211&gt; LENGTH: 1262

468 &lt;212&gt; TYPE: DNA

470 &lt;213&gt; ORGANISM: Psammomys Obesus

474 &lt;220&gt; FEATURE:

476 &lt;221&gt; NAME/KEY: misc\_feature

478 &lt;222&gt; LOCATION: (1)..(1262)

480 &lt;223&gt; OTHER INFORMATION: "n" is unknown nucleotide

484 &lt;400&gt; SEQUENCE: 12

```

485 aaactctgtc tcaaaacaaa acaaagtaac aaagggatag gccaaagtctt ctgagaagtt 60
487 agaggcaaaag tgcttgcttg agcctaatagc tcttcccaca gccgtcctca gccaggtcc 120
489 tctcctctcc tgcaatcaag aggatattgc tttagttgac atgggccttt ccacgcatct 180
491 gctgaggtga ttttccagggt aactacaggg gtgaaggcta actcaacaca agccaagaaa 240
493 tacagaatct agatatacct ggtcttacct agatgggaga ccagcaccgt ccaatagcag 300
495 ggcagccagc cgcccagatc cttataggtc taggaacact ggatgacagc tggatgaacat 360
497 gggctggagt gactgtgacc cttcaaggg aaagcctcag ctctttttac ctgttaagga 420
499 atgatggaga tgcagacagt aggagagtgg tgtgggagaa atccaaagtg gcaatttccc 480
501 aaacactttt taaaataaat cttgtgtagg atgacatagg gctttgattg tggctcagt 540
503 gtaccatgct tgtcttgagc actttaatgt gacaagtctg agggccgggt ctatcactgg 600
505 aactgcaaaa accaagaac aactgaaatg ataaagcagt tcagagctgg gaagtttata 660
507 atttctttct tcttatacct tttcccccaa gtggaaaatg ctttaattag tgaagggccc 720

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/564,077

DATE: 01/25/2006  
TIME: 11:02:36

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\01252006\J564077.raw

Base Note:

One or more of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 339,409,425  
Seq#:2; N Pos. 744,747,753,792,1206,1437,1440,1459,1518  
Seq#:3; N Pos. 242  
Seq#:4; N Pos. 28,92,118,158  
Seq#:12; N Pos. 959



## VERIFICATION SUMMARY

DATE: 01/25/2006

PATENT APPLICATION: US/10/564,077

TIME: 11:02:36

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01252006\J564077.raw

11 M:270 C: Current Application Number differs, Replaced Current Application No  
11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:300  
57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:360  
59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:420  
107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:720  
109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:780  
123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1200  
129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1380  
131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1440  
133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1500  
171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:240  
201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:60  
205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:120  
515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:900

**Raw Sequence Listing before editing,  
for reference only**



IFWP

## RAW SEQUENCE LISTING

DATE: 01/23/2006

PATENT APPLICATION: US/10/564,077

TIME: 09:54:27

Input Set : A:\300188\_1.TXT

Output Set: N:\CRF4\01232006\J564077.raw

3 <110> APPLICANT: Collier, Greg R  
 4       Walder, Ken R  
 5       Segal, D. H  
 7 <120> TITLE OF INVENTION: DIFFERENTIAL EXPRESSION OF NUCLEIC ACID MOLECULES  
 9 <130> FILE REFERENCE: E1679-00014  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/564,077  
 C--> 11 <141> CURRENT FILING DATE: 2006-01-09  
 11 <150> PRIOR APPLICATION NUMBER: PCT/US2004/000919  
 12 <151> PRIOR FILING DATE: 2004-07-08  
 14 <150> PRIOR APPLICATION NUMBER: US 60/485,790  
 15 <151> PRIOR FILING DATE: 2003-07-08  
 18 <160> NUMBER OF SEQ ID NOS: 51  
 21 <170> SOFTWARE: PatentIn version 3.1 and MS Word

**Does Not Comply  
Corrected Diskette Needed**

## ERRORED SEQUENCES

1114 <210> SEQ ID NO: 51  
 1116 <211> LENGTH: 21  
 1118 <212> TYPE: DNA  
 1120 <213> ORGANISM: Psammomys Obesus  
 1124 <400> SEQUENCE: 51  
 1125 gccccacagt ttcacatttg t  
 E--> 1129 - 1 -

21

## VERIFICATION SUMMARY

DATE: 01/23/2006

PATENT APPLICATION: US/10/564,077

TIME: 09:54:28

Input Set : A:\300188\_1.TXT

Output Set: N:\CRF4\01232006\J564077.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:300  
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:360  
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:420  
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:720  
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:780  
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1200  
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1380  
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1440  
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1500  
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:240  
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:60  
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:120  
L:515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:900  
L:1129 M:254 E: No. of Bases conflict, this line has no nucleotides.